Army Joint Support Team

Education ♦ Training ♦ C2 Systems Integration for Joint Air-Ground Operations

US Army Training and Doctrine Command
Combined Arms Center – Training
Hurlburt Field, FL ♦ Nellis AFB, NV

Education & Training for Battlefield Coordination Detachments

US Army Combined Arms Center

Agenda

- AJST Organization
- Mission
- The Mission in Relevant Detail
- BCD Education & Training
- Institutional Education & Training
- AJST MTT Support
- Questions & Discussion

Army Joint Support Team (AJST)

Combined Arms Center
Fort Leavenworth, KS

Army Joint Support Team — COL Director, YC-03 Deputy Director

AJST-H	AJAST	AJST-N
USAF 505 CCW	Army Joint Automation Support Team	57th Ops Grou
Hurlburt Field, FL	Hurlburt Field, FL	Nellis AFB, NV
AUTHORIZED / ASSIGNED		AUTHORIZED / ASSIGNED
LTC 1 / 2	19 Contractor Man-year Equivalents	LTC 2 / 2
MAJ 3 / 2		MAJ 2 / 0
		SFC 1 / 0

Joint Air-Ground Operations Integration

- Operational Level focus: Joint Air Ops Center & Battlefield Coordination Det (Hurlburt)
- Tactical Level: Joint Fires, Joint Terminal Attack Control (Nellis)
- Joint Firepower Course Mobile Training Teams (Nellis)
- Education, Training, & C2 Systems Integration Support (Hurlburt)
- Support to Army Battle Command Training Program Exercises (Hurlburt)

Mission

AJST conducts U.S. Army and Joint air-ground operations education, training, and command & control systems integration in support of joint and military service training requirements for all four DoD Services and for elements of joint organizations in order to provide relevant and ready forces to joint force

Over 3,200 Soldiers, Sailors, Marines, Airmen, and Special Operators trained annually.

Principal Tasks

- Provide Joint air-ground operations expertise, liaison, and support to the 505th Command and Control Wing at Hurlburt Field, to the 57th Operations Group's Air-Ground Operations School at Nellis AFB, and to operational commands worldwide.

- Conduct Army and Joint education and training in support of multi-service and joint courses of instruction on air-ground operations.

- Educate and train Army personnel on specialized operational-level and tactical-level application of Army Battle Command Systems (ABCS) in the context of joint

BCD
Education & Training

US Army Combined Arms Center

Education & Training Architecture

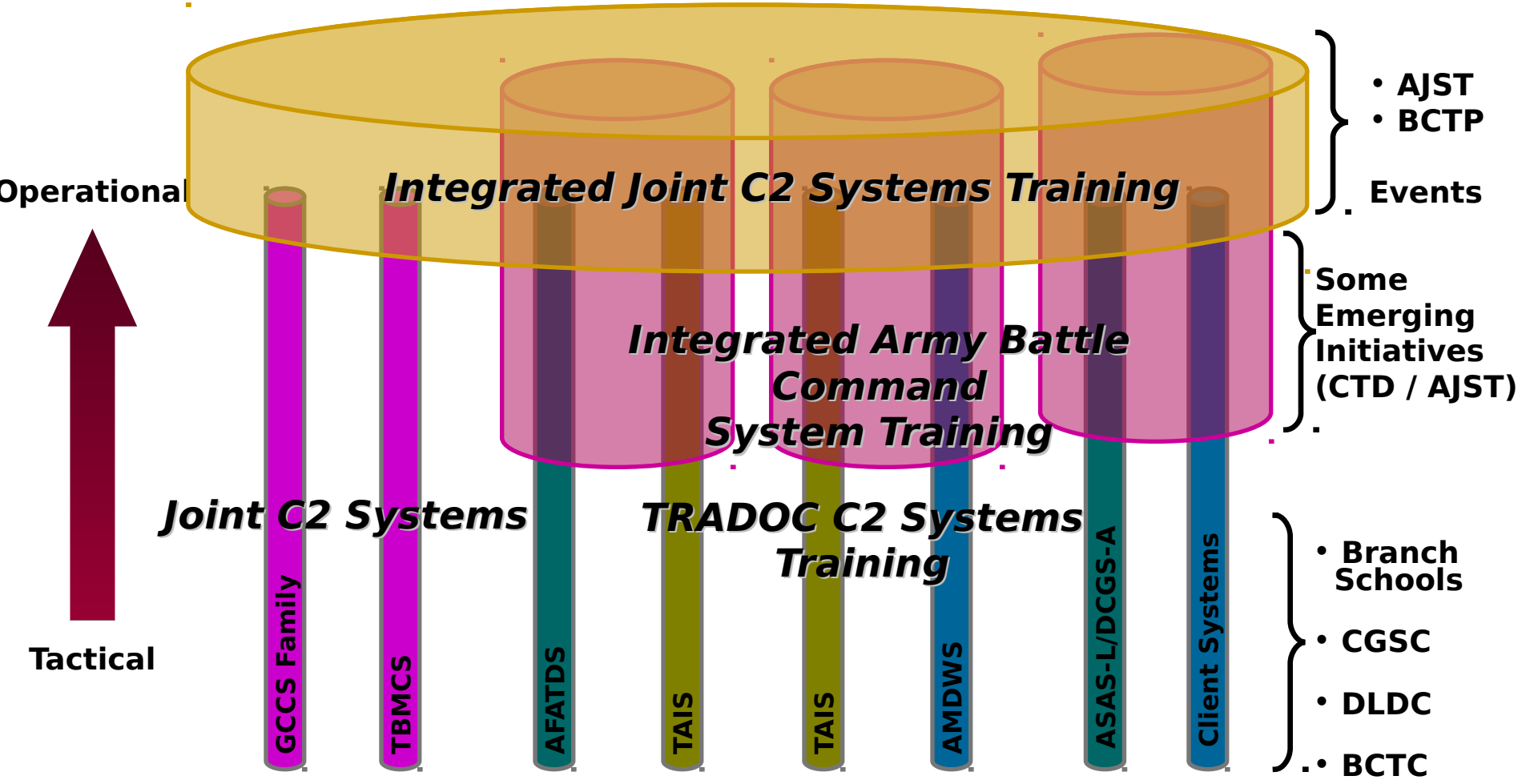
Education:

- **Institutional education via courses at Hurlburt Field, FL**
  - **Joint Air Tasking Order Processes Course**
  - **Air Operations Center Initial Qualification Course**
- **Complementary courses:**
  - **Joint Targeting School Courses (Dam Neck, VA)**
  - **Joint Operational Fires and Effects Course (Ft Sill, OK)**
  - **AJST Mobile Training Team**

Training:

- **Institutional training via courses at Hurlburt Field**
- **AJST Mobile Training Team**
- **Battle Command Training Program**
- **BLUE FLAG / Numbered Air Force events**
- **ASCC / ARFOR events**
- **Internal vignette-driven “lanes training”**

C2 Systems Training



Integrated C2 Systems Training:

- Requires Joint systems, ABCS, clients, connectivity
- Needs Joint interface for exchange of information / data
- C2 systems training in the context of Joint C2 processes – not just systems training
- Perishable skills – need institutional, homestation, & CTC opportunities

Institutional Education & Training

Joint Air-Ground Operations

Education & Training Areas

- Close Air Support
- Air Interdiction
- Joint Airborne ISR assets
- Intelligence Fusion
- Common Operational Picture – Ground and Air
- Joint Theater Air and Missile Defense
- Joint Fires C2 Integration
- Inter and Intra-theater Airlift
- Electronic Warfare
- Information Operations
- Airspace Command & Control
- Personnel Recovery
- Space Operations

AJST Instruction / Support

- Joint Air Tasking Order Processes Course (ASI 5A)
- Air Operations Center Initial Qualification Course (ASI 5A)
- Battle Command Training Program
- Specialized Joint Aerospace Training
- Tailored “Train-the-Trainer” Courses
- Command & Control Warrior Advanced Course
- Joint Senior Staff Course
- Joint Firepower Course (ASI 5U)
- Joint Terminal Attack Controller Qualification Course
- Forward Air Controller (Airborne) Course
- Air Liaison Officer Course
- Ground Liaison Officer Course
- Joint Special Operations University
- AC-130 Weapons School
- Air War College and Air Command & Staff College

Spectrum of Education & Training

Operational Level

Tactical Level

Army Service Component Command

CFLCC

CFACC

ARFOR

ACCE

AAMDC

BCD

CAOC

Corps

TACP ASOC

Division

TACP ASOC

Brigade Combat Team

TACP

Battalion

TACP

Company

JTAC

Platoon

JFO

Soldie

MTT Capable

BCTP Events and Mission Rehearsal Exercises

Operational-Level Courses

- Joint Air Tasking Order Processes Course (JATOPC) (ASI 5A)
- Air Operations Center Initial Qualification Course (ASI 5A)
  - Combat Ops
  - Combat Plans
  - Airspace
- Joint Senior Staff Course
- Command & Control Warrior Advanced Course
- Specialized Joint Aerospace Training (MTT capable)

Tactical-Level Courses

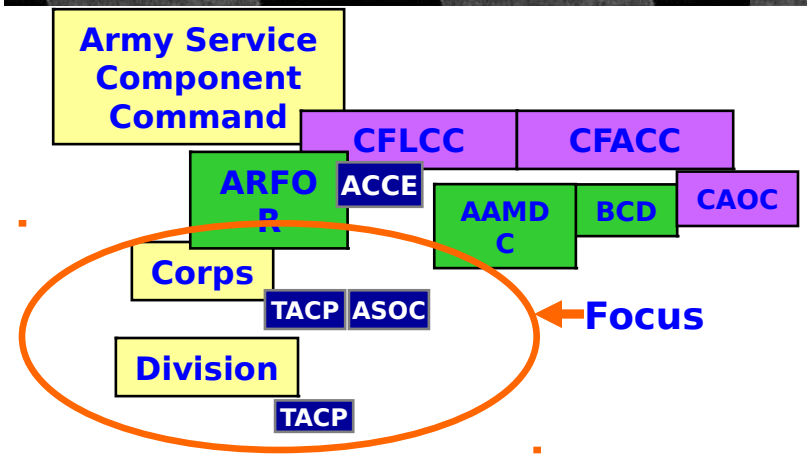
- Joint Firepower Course (MTT capable) (ASI 5U)
- Ground Liaison Officer Qualification Course
- Air Liaison Officer Qualification Course
- Joint Terminal Attack Controller Qualification Course
- Forward Air Controller (Airborne) Qualification Course

JATOPC vs AOCIQC

	JATOPC	AOCIQC
Hours of Instruction (doctrine, organizations, processes, & systems)	**67** (13 days)	**150-170** (24 days)
C2 Systems Experience	**2 hours** (1.5 hrs hands-on)	**9 - 18 hours** (TBMCS & ABCS)
End-of-Course Event / Exercise	**½ day**	**3 ½ days**

- **Both courses award ASI 5A**
- **AOCIQC has more detailed orientation on internal CAOC processes**
- **AOCIQC divided into "tracks": Air Mobility, Airspace, Communications, Defensive Opns, Offensive Opns, Interface Control, Intelligence, Personnel Recovery**
- **Example: Airspace C2 track of AOCIQC**
  - **15 hrs of airspace C2 organizations and processes**
  - **18 hrs of TBMCS applications relating to airspace**
  - **9 hrs of hands-on training with TAIS (including interoperability)**
  - **3 ½ days of combat plans and operations exercise**
- **Example: Airspace C2 in JATOPC – one class (45 minutes)**

BCTP for Reinforcing Education & Training



Opportunity to:

- Train with more complete Army dynamics
- "Train with the friction"
- See and understand more realistic ARFOR / CFLCC interface with the BCD
- Refine / refresh individual skills
- Train with AJST and systems PM field reps

- Air Force supports with:
  - Senior Mentors (Lieutenant Generals)
  - Combined Air Operations Center (or response cell)
  - Joint C2 Systems
  - A permanent team of observers / trainers
- Realistic air tasking orders and airspace control orders in digital form over networked C2 systems
- AJST supports with C2 network design, technical interfaces, seminars, and observer / trainers
- Fosters proficiency in Joint C2 processes and systems

AJST Support to the Army Battle Command Training Program

AJST provides:

- **Observer/Trainers to coach, teach, & mentor**
- **Seminar support**
- **Expertise to formulate the necessary joint communications architecture**
- **Expertise to formulate the necessary joint C2 systems architecture**
- **When required, replication of BCD and ARFOR HQ C2 functions to create a high-fidelity, dynamic, joint C2 environment**

Focus is on:

- **Air Tasking Order, Airspace Control Order, and Air Operations Directive**
- **CAS & Air Interdiction**
- **Airspace Command & Control**
- **Airborne Electronic Warfare**
- **Joint COP Synchronization**
- **Theater Air & Missile Defense (and common air COP)**
- **Joint Airborne ISR**
- **Personnel Recovery**

AJST MTT Support

AJST Mobile Training Team

- **AJST Provides:**
  - **Funding**
  - **6 – 10 contiguous days of training (time / funding constrained)**
  - **Expertise in C2 processes and relevant C2 systems**
  - **Education & training tailored to unit objectives**
- **BCD Provides:**
  - **Training objectives / guidance**
  - **Coordination with supported and supporting organizations**
  - **Event location prep – site, network, C2 systems, etc.**

Questions & Discussion

2008 ARMY-AIR FORCE WARFIGHTER TALKS
23 Jan 2008

US Army Combined Arms Center

Task #14

Subject: AF ACCE Employment Concept

Task: Reevaluate ACCE concept based on lessons from recent conflicts

OPR: AF/A5X, TRADOC OCR: ACC/A3

Suspense: Summer 2008

Remarks: Conduct comprehensive review of ACCE Employment Concept across spectrum of conflict; Examine relationship between ACCE as liaison element and Command and Control functions performed by TACS elements; Clarify ACCE roles and responsibilities based on alignment (CFLCC, JFC); Review procedures for ACCE selection, manning, training and systems; Conduct similar review of Army liaisons (BCDs); Consider case where single CFACC is supporting multiple JTFs

#14: ACCE and BCD Analysis

- **Background:** USAF reevaluating ACCE concept based on OEF/OIF Lessons Learned. The Army will complement this via an evaluation of the BCD and an evaluation of the ACCE interface with Army OCP.
- **Specified Task:** Assist USAF OPR by conducting a thorough analysis of the Battlefield Coordination Detachment organization, manning, training, and employment and the functionality of the ACCE within an Army OCP. This analysis should also focus on specific recommendations which would result in improved efficiency within the Theater Air Control System.
- **Implied Tasks:**
  - Assess whether to include the AAMDC liaison element that performs TAMD C2 liaison functions when a AAMDC is present.
  - Assess C2 functions covered via a BCD, those that are not (IO, EW, space), and those that may be covered inadequately (Airspace C2).
  - Assist USAF in their assessment to cover division and corps HQ functioning as JTFs (and which often receive an ACCE)
- **Facts:** See current joint doctrine, USAF doctrine, Army doctrine, and ALSA TAGS manual ref ACCE and BCD
- **Assumptions:**
  - This effort cannot be effectively executed outside of the integrating concepts embodied in TACS/AAGS.
  - Following the first assumption, the intent is for a collaborative cross-service info exchange.
- **Recommendation:** TBD
- **Way Ahead:**
  - Complete a general info paper, focusing on known issues and likely directions to be taken via the way-ahead below.
  - Use informal contacts to understand the issues from the USAF perspective in order to better refine the Army approach.
  - Incorporate clarification from HQDA ref scope of Army effort – BCD or broader Army/USAF operational-level liaisons?
  - Contact USAF counterparts once the joint tasking message is issued.
  - **Engage BCD commanders worldwide to solicit perspectives on this topic.**
  - Engage key USAF leaders to establish an Army-Air Force collaborative working group forum that can meet via VTC.
  - **Conduct interviews with BCD commanders at BCD Commanders' Conference, 2 Jun 08.**
  - Army working group VTC – brief information, complete mission analysis, incorporate WG members' perspectives.
  - Army-Air Force WG compares analyses prior to Service Chiefs' update in June (T).
  - Army-Air Force prepares AAFWFT presentation on Issue #14 so that the substance reflects

Questions & Discussion

- Doctrine
- Organization
- Training
- Materiel
- Leadership and Education
- Personnel
- Facilities

- Manning
- Systems